

AMENDMENTS TO THE CLAIMS

The following listing of claims replaces all prior listings of claims presented in the application.

Claim 1 (Previously Presented): A soft magnetic material used to make powder magnetic cores comprising:

a plurality of composite magnetic particles formed from a metal magnetic particle and an insulative coating surrounding a surface of said metal magnetic particle and containing metallic salt phosphate; and

a lubricant formed as fine particles comprising zinc stearate, wherein:

said lubricant is added at a proportion of at least 0.001 percent by mass and no more than 0.01 percent by mass relative to said plurality of composite magnetic particles, and

said lubricant has a mean particle diameter of no more than 2.0 microns.

Claims 2-8 (Canceled)

Claim 9 (Previously Presented): A soft magnetic material used to make powder magnetic cores comprising:

a plurality of composite magnetic particles formed from a metal magnetic particle and an insulative coating surrounding a surface of said metal magnetic particle and containing an oxide selected from the group consisting of silicon oxide, titanium oxide, aluminum oxide and zirconium oxide or alloys thereof; and

a lubricant formed as fine particles comprising zinc stearate, wherein:

said lubricant is added at a proportion of at least 0.001 percent by mass and no more than 0.01 percent by mass relative to said plurality of composite magnetic particles, and

said lubricant has a mean particle diameter of no more than 2.0 microns.

Claims 10 - 16 (Canceled)

Claim 17 (Currently Amended): A powder magnetic core comprising a soft magnetic material, wherein the soft magnetic material comprises:

a plurality of composite magnetic particles formed from a metal magnetic particle and an insulative coating surrounding a surface of said metal magnetic particle and containing metallic salt phosphate; and

a lubricant formed as fine particles comprising zinc stearate added at a proportion of at least 0.001 percent by mass and no more than 0.01 percent by mass relative to said plurality of composite magnetic particles, and

said lubricant formed as fine particles has a mean particle diameter of no more than 2.0 microns, wherein

the powder magnetic core exhibits an iron loss of at least 145 W/kg and no more than 194 W/kg less than or equal to 194W/kg.

Claim 18 (Currently Amended): A powder magnetic core comprising a soft magnetic material, wherein the soft magnetic material comprises:

a plurality of composite magnetic particles formed from a metal magnetic particle and an insulative coating surrounding a surface of said metal magnetic particle and containing an oxide selected from the group consisting of silicon oxide, titanium oxide, aluminum oxide and

zirconium oxide or alloys thereof; and

a lubricant formed as fine particles comprising zinc stearate added at a proportion of at least 0.001 percent by mass and no more than 0.01 percent by mass relative to said plurality of composite magnetic particles, wherein:

said lubricant formed as fine particles has a mean particle diameter of no more than 2.0 microns, wherein

the powder magnetic core exhibits an iron loss of at least 145 W/kg and no more than 194 W/kg less than or equal to 194W/kg.

Claims 19-20 (Canceled)